INSTRUCTIONS FOR TABLE 5.2

NON-CANCER TOXICITY DATA - INHALATION

PURPOSE OF THE TABLE: • To provide information on RfCs, RfDs, target organs, and adjustment factors for chemicals • To provide RfC to RfD adjustment factors • To verify references for non-cancer toxicity data.	
INFORMATION DOCUMENTED: • The RfDs for each of the COPCs, as well as modifying factors and RfC to RfD adjustments • The organ effects of each of the COPCs • References for RfCs and organ effects.	
TABLE NUMBERING INSTRUCTIONS: • Complete one copy of this table only. • Number it Table 5.2. • The table should contain a row for each COPC considered.	***If chronic and subchronic effects are listed for the same COPC, two rows will be required.***
GENERAL NOTES/INSTRUCTIONS FOR THIS TABLE: • Table 5.2 does not replace the toxicological profiles for the individual chemicals that will be presented in the risk assessment.	***It may be necessary to refer to RAGS, the risk assessment technical approach, and EPA Regional guidance to complete the table.***
HOW TO COMPLETE/INTERPRET THE TABLE:	
Column 1 - Chemical of Potential Concern	
Definition: • Chemicals that are potentially site-related, with data of sufficient quality, that have been retained for quantitative analysis as a result of the screening documented in Table 2.	
Instructions: • Enter the names of the chemicals that were selected as COPCs from Table 2.	***Chemicals can be grouped in the order that the risk assessor prefers.***

INSTRUCTIONS FOR TABLE 5.2

NON-CANCER TOXICITY DATA - INHALATION (continued)

Column 2 - Chronic/Subchronic	
Definition: • Identifies whether the RfC or RfD for a particular chemical is for chronic (long-term) and/or subchronic (short-term) exposure.	***The risk assessor should use professional judgement when extrapolating to time-frames shorter or longer than those employed in any crticial study referenced. As a Superfund program guide-line, chronic is seven years to a lifetime; subchronic is two weeks to seven years (RAGS Part A, Sections 6 and 8).***
Instructions: • Enter either "Chronic" or "Subchronic" in the field. Both values may be available for an individual chemical. • "Subchronic" values may not be available or necessary for an individual COPC. If that is the case, enter "Chronic" in Column 2.	***Chronic*** ***Subchronic***
Column 3 - Inhalation RfC Value	
Definition: • The RfC value for each of the COPCs.	
Instructions: • Enter the value for the chronic and/or subchronic oral RfC (as appropriate).	
Column 4 - Units for Inhalation RfC	
Definition: • The RfC units for each chemical detected.	
Instructions: • Enter units for each RfC as necessary.	***Refer to Regional guidance to determine if there is a preference regarding the units to be used.***

INSTRUCTIONS FOR TABLE 5.2

NON-CANCER TOXICITY DATA - INHALATION (continued)

Column 5 - Adjusted Inhalation RfD	
Definition: • The inhalation RfD for each COPC that is derived from the RfC value.	***The derivation of the RfD from an RfC should be performed in accordance with Regional guidance.***
Instructions: • Enter the derived RfD factor in this column.	***The equation to derive the RfD from the RfC is to be included as a footnote in the table.***
Column 6 - Units (for Adjusted Inhalation RfD)	
Definition: • The adjusted RfD units for each COPC.	
Instructions: • Enter units for each adjusted RfD as necessary.	***Refer to Regional guidance to determine if there is a preference regarding the units to be used.***
Column 7 - Primary Target Organ	
Definition: • The organ that is affected most (i.e., experiences critical effects) by chronic or subchronic exposure to the specific COPC, and upon which the RfD is based.	
Instructions: • Enter the name of the most affected organ or organ system in the column.	***If there are two organs that are equally affected, enter the names of both, separated by a '/'.***
Column 8 - Combined Uncertainty/Modifying Factors	
Definition: • The factors applied to the critical effect level to account for areas of uncertainty inherent in extrapolation from available data.	***Refer to IRIS/HEAST for these values. Examples of uncertainty to be addressed include:*** ***- variations in the general population*** ***- interspecies variability between humans and animals*** ***- use of subchronic data for chronic evaluation*** ***- extrapolation from LOAELs to NOAELs.***

INSTRUCTIONS FOR TABLE 5.2

NON-CANCER TOXICITY DATA - INHALATION (continued)

Instructions: • Enter number obtained from IRIS/HEAST.	***Refer to IRIS/HEAST for these values.***
Column 9 - Sources of RfC:RfD:Target Organ (Information)	
Definition: • The sources of the RfC, RfD, and target organ information.	
Instructions: • Enter the sources of the RfC, RfD, and target organ information. Use a colon to delineate between the information sources if the sources of information are different for RfC, RfD, and target organ.	***IRIS*** ***HEAST*** ***NCEA***
Column 10 - Date (MM/DD/YY)	
Definition: • The dates of the documents that were consulted for the RfC/RfD information and the target organ information in MM/DD/YY format.	***The MM/DD/YY format refers to month/day/year.***
Instructions: • Enter the dates, in MM/DD/YY format, for RfC, RfD and target organ information. Use a colon to delineate between the dates, if the sources of information are different for RfC, RfD, and target organ. • ***For IRIS references, provide the date IRIS was searched.*** • ***For HEAST references, provide the date of the HEAST reference.*** • ***For NCEA references, provide the date of the article provided by NCEA.***	***For example, the MM/DD/YY version of the date March 30, 1995 is 03/30/95.***